

PA-IDC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>09/870,876</u>	Prepared by <u>RW</u>	Tracking Number <u>05994962</u>	
Examiner-GAU <u>Kianni - 2883</u>	Date <u>9/17/04</u>	Week Date <u>8/9/04</u>	
	No. of queries <u>2</u>	<u>PA 1PW (RUP4)</u>	

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE
a. Page Missing	<p>① Index Disagrees: Allowed Claims 27+28 cited in the claim set dated 7-27-04 are not shown on the index of claims - please provide a index of claims to match the claim set.</p> <p>② Also, no renumbered claim⁵ listed/shown in the index of claims.</p> <p>Please advise/renumber the claims.</p>
b. Text Continuity	
c. Holes through Data	
d. Other Missing Text	
e. Illegible Text	
f. Duplicate Text	
g. Brief Description	
h. Sequence Listing	
i. Appendix	
j. Amendments	
k. Other	
CLAIMS <u>Index</u>	
a. Claim(s) Missing	
b. Improper Dependency	
c. Duplicate Numbers	
d. Incorrect Numbering	
e. Index Disagrees	
f. Punctuation	
g. Amendments	
h. Bracketing	
i. Missing Text	
j. Duplicate Text	
k. Other	
	Thank You, initials <u>RW</u>
	RESPONSE
	initials

Claim 13 (Original): The arrayed waveguide grating of claim 12 wherein $\Phi_1=0$ in Eq.

11a.

¹⁵
Claim ~~14~~ (Original): The arrayed waveguide grating of claim 12 wherein a variation of average birefringence is caused by a variation in an average width of the waveguides in the arrayed waveguide grating.

¹⁴
Claim ~~15~~ (Original): The arrayed waveguide grating of claim 13 wherein a variation of average birefringence is caused by a variation in an average width of the waveguides in the arrayed waveguide grating.

~~Cancelled claims 16-25~~

¹⁶
Claim ~~26~~ (Original): The arrayed waveguide grating of claim 12 wherein a variable L_1 in Eq. 11a comprises non-tapered segments.

Claim 27 (Original): The arrayed waveguide grating of claims 5 or 7 wherein the first tapered end and the second tapered end comprises a length less than about 1 mm.

^{for 3-10}
Claim 28 (Original): The arrayed waveguide grating of any of claims ~~1-10~~ wherein a value of $|w_N - w_I|$ is between about 0.5 μm and about 5 μm .

~~Cancelled claim 29~~